



Solution package 2:

Deployment of energy communities & prosumer services

SP2 Solutions, challenges and learnings

Session Summary

The first session of the SP2 Community of Practice featured presentations by ASCEND partners representing Lyon (FR), Munich (DE), Prague (CZ) and Porto (PT). The interventions focused on five topics of Energy Communities: governance, contractual arrangements, spatial boundaries, metering and billing systems. A collective discussion on shared learnings and challenges followed.

Resources

- ASCEND presentation, Scalable Cities TG Energy Communities. Bruno Gaiddon, HESPUL. 2024
- Lyon PCED roadmap report. ASCEND. 2023
- Munich PCED roadmap report. ASCEND. 2023.

Common Challenges

- **Adverse regulations:** Munich is elevating a request for legal changes that would enable the deployment of energy communities beyond the Mieterstrom or tenant electricity model which is limited to the building level. In Porto, whereas RECs are legal, their licensing process is still challenging. In Prague, sharing across buildings is limited to residential buildings only.
- **Local challenges:** In Lyon and Prague, issues are rather technical. In Lyon, space for PV installations is scarce. In Prague, a REC can also own the electric grid, but only if newly built.

Main Takeaways

- **Energy Communities are one of the PCED keystones.** Across the ASCEND cities, their governance, contractual arrangements, spatial boundaries, metering and pricing systems vary greatly.
- **Legal and administrative challenges** remain a significant obstacle for most cities. Besides technical and business model issues, ensuring transposition of EU regulations for RECs at the national, regional and local levels is crucial to achieve climate neutrality objectives.

Quote

"It is impressive to see how the same European Directives that define Energy Communities can lead to various local definitions and practices in the Member States. Also, quite surprisingly, the most advanced EU country in terms of PV deployment, Germany, is not the one with the most progressive legal framework for the local use of the electricity produced by PV systems!"

Bruno Gaiddon, HESPUL

